

FINAL YEAR (NEW) PHARMACY
PHARMACEUTICS - II
(201)

Time : Three Hours

Maximum Marks : 80

- Note :** i) Attempt total six questions.
ii) Question No. 1 is compulsory.
iii) From the remaining questions attempt any five.

1. Attempt any five questions: 10
- a) Fill in the blanks.
- i) One drachm = _____ gm.
- ii) One ounce = _____ ml.
- b) Translate following Latin terms into English
- i) Summendum
- ii) Dolore Urgente
- c) Give the metric equivalent of the following
- i) One pound
- ii) One tablespoonful

- d) Give the therapeutic dose of the following drugs
- i) Paracetamol
 - ii) B.C.G Vaccine
- e) State true/false
- i) Ophthalmic preparation must be free from pyrogens.
 - ii) Yellow paraffin is contraindicated for the formulation of ophthalmic ointment.

f) Match the column

Column - A

Column - B

- | | |
|--------------|--------------------------|
| i) Bentonite | 1) o/w emulsifying agent |
| ii) Tween | 2) w/o emulsifying agent |
| iii) Span | 3) Diluent |
| iv) Lactose | 4) Suspending agent |

2. Attempt any two: 14

- a) How will you prepare 500 ml of 1 in 60 sodium chloride solution from 1 in 20 solution of sodium chloride?
- b) Calculate the quantity of sodium chloride required to make isotonic with biological fluid.
- c) Prepare 20 suppositories each containing 3 grains of iodoform. The displacement value of iodoform is 4.0.

(3)

3. Differentiate any four of the following: 14
- a) Simple syrup I.P. and simple syrup U.S.P.
 - b) Large volume parenterals and small volume parenterals.
 - c) Ointments and Creams.
 - d) Flocculated and Non-flocculated suspension.
 - e) Syrup and Drop.
4. Attempt any Two: 14
- a) Calculate the real strength of 40° O.P. and 50° U.P. <http://www.rgpvonline.com>
 - b) Define posology. Calculate the dose for a child of 03 years if adult dose is 400mg.
 - c) Describe various steps involved during handling of prescriptions.
5. Attempt any two 14
- a) Rx
send $\frac{1}{2}$ O₂ of Boric acid containing 1% of iodine.
 - b) Give advantages, disadvantages and classification of powders.
 - c) Discuss therapeutic incompatibility with examples.

(4)

6. Attempt any two : 14
- a) What do you mean by creaming of emulsion?
How will you prevent creaming of emulsion?
 - b) Discuss the problems encountered during formulation of suspension.
 - c) Write notes on:
 - i) Drops
 - ii) Linctus

7. Attempt any two : 14
- a) Give the classification of ointments with examples.
 - b) Discuss the layout of an Aseptic Room.
 - c) Discuss the various excipients used during the formulation of parenteral preparation.

8. Write short notes on any four of the following: 14
- a) Shaving Cream
 - b) Oxidizing Agent
 - c) Hydrocolloids
 - d) Eardrops
 - e) Depilatories

